

201 4.7 HW Key

201_4_7notes.notebook

12.

$$5x + 5 = 35$$

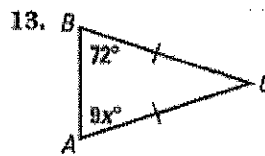
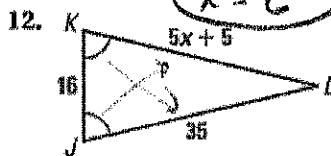
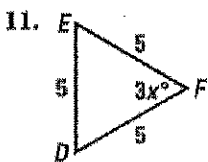
$$5x = 30$$

$$x = 6$$

$$3x = 60$$

$$x = 20$$

ALGEBRA Find the value of x .



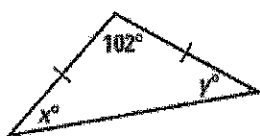
$$9x = 72$$

$$x = 8$$

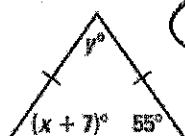
ALGEBRA Find the values of x and y .

$$x + 7 = 55$$

15.

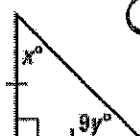


16.



$$x = 48$$

17.



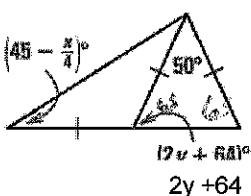
$$x = 45$$

$$9y = 45$$

$$y = 5$$

ALGEBRA Find the values of x and y , if possible. Explain your reasoning.

20.



$$65 = 2(45 - \frac{x}{4})$$

$$32.5 = 45 - \frac{x}{4}$$

$$-12.5 = -\frac{x}{4}$$

$$50 = x$$

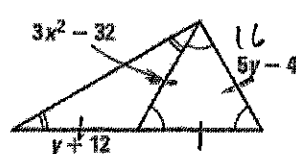
21.



$$3x = 14y$$

Not possible

22.



$$y + 12 = 5y - 4$$

$$16 = 4y$$

$$y = 4$$

$$5(4) - 4 = 16$$

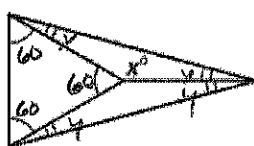
$$3x^2 - 32 = 16$$

$$x^2 = 16$$

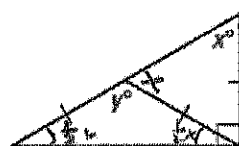
$$x = \pm 4$$

ALGEBRA Find the value(s) of the variable(s). Explain your reasoning.

32.



33.



$$x + y = 180$$

$$x + \frac{1}{2}x = 90$$

$$x = 60$$

$$y = 120$$

$$x + 2y = 180$$

$$60 + y + 2y + y + 60 = 180$$

$$4y = 60$$

$$y = 15$$

$$x + 30 = 180$$

$$x = 150$$